

What is claimed is:

1. An air-conditioning system for a room, the air-conditioning system comprising a flat cooling element arranged within a wall of the room.

2. The air-conditioning system according to claim 1, wherein the wall of the room is a ceiling of the room.

3. The air-conditioning system according to claim 1, wherein the cooling element is embedded in the wall of the room.

4. The air-conditioning system according to claim 3, wherein the cooling element is embedded in a plaster layer of the wall of the room.

5. The air-conditioning system according to claim 1, wherein the cooling element is comprised of at least one pre-manufactured web comprised of a carrier mat and at least one cooling pipe fastened to the carrier mat.

6. The air-conditioning system according to claim 5, wherein the carrier mat is a screen material having penetrations.

7. The air-conditioning system according to claim 6, wherein the carrier mat has a net structure.

8. The air-conditioning system according to claim 5, wherein the carrier mat has connecting elements for connecting the plaster layer to the carrier mat.

9. The air-conditioning system according to claim 8, wherein the connecting elements have undercuts.

10. The air-conditioning system according to claim 1, wherein the cooling element is configured to be adhesively connected to or tacked to at least one of the base to which the plaster is to be applied and a precoat of the plaster.

11. The air-conditioning system according to claim 10, wherein the cooling element is pre-manufactured as a self-adhesive element comprising an adhesive layer.

12. The air-conditioning system according to claim 11, wherein the cooling element further comprises a removable protective film, wherein the adhesive layer is covered with the removable protective film, wherein the protective film is removed before applying the cooling element to the wall.